

**ABSTRACT OF THE DISCLOSURE**

Disclosed is a contactless proximity detector, especially for detecting the proximity of a ferromagnetic component, comprising at least one magnet array that generates a magnetic flux and a magnetic field-sensitive sensor which is disposed within the effective range of said magnetic flux. The magnetic field-sensitive sensor is embodied as a Hall effect sensor which encompasses at least one planar Hall effect measurement field. The vector of the magnetic flux within the magnet array runs parallel to the planar extension of the Hall effect measurement field.